

M 5.7, WESTERN SAUDI ARABIA

Origin Time: Tue 2009-05-19 17:35:00 UTC

Location: 25.36°N 37.76°E Depth: 1 km

PAGER
Version 6

Created: 1 days, 3 hrs after earthquake

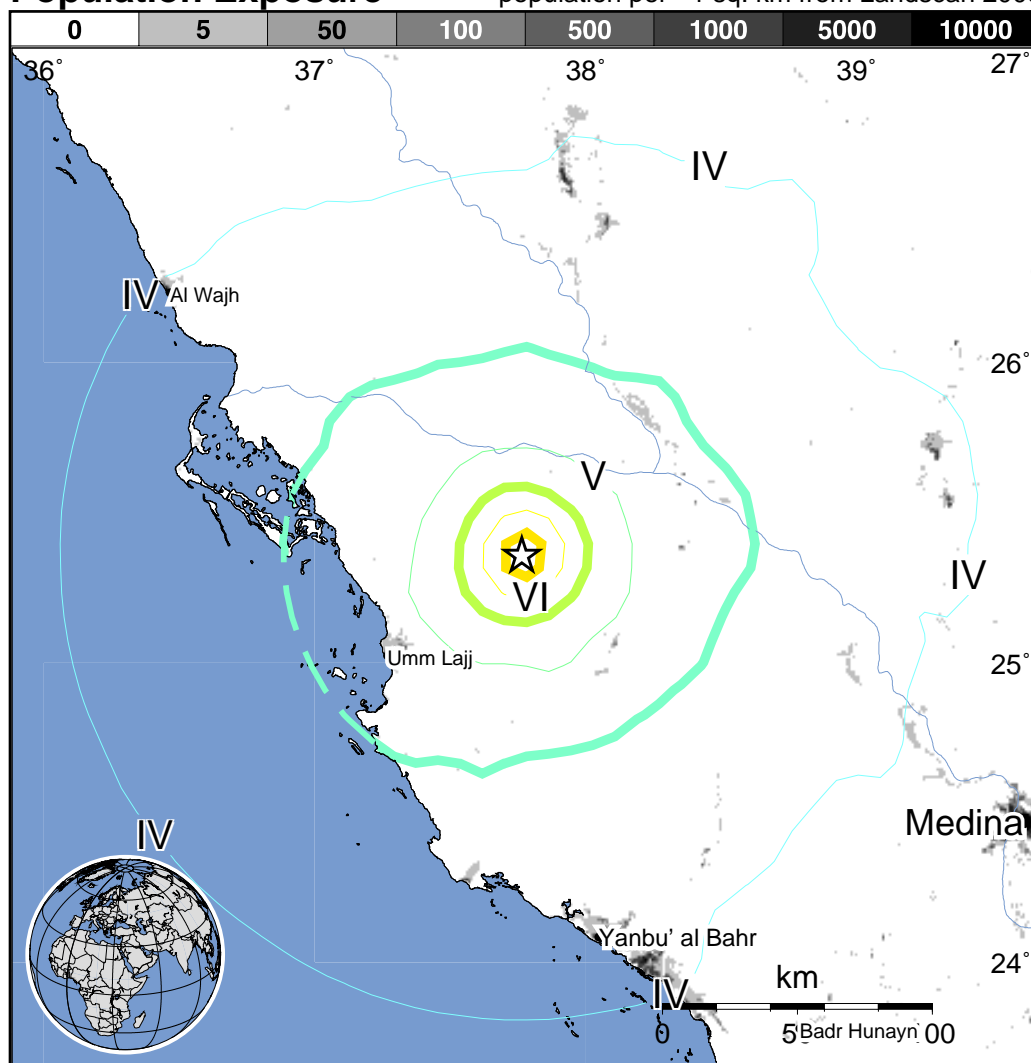
Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k = x1000)		--*	--*	1,805k	55k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	none	none	none	V. Light	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy
	Vulnerable Structures	none	none	none	Light	Moderate	Moderate/Heavy	Heavy	V. Heavy	V. Heavy

*Estimated exposure only includes population within the map area.

Population Exposure

population per ~1 sq. km from Landsat 2006

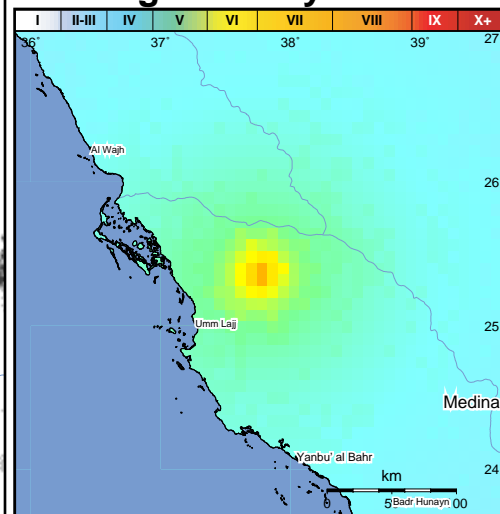


Selected City Exposure

MMI City	Population
V Umm Lajj	33k
IV Yanbu' al Bahr	200k
IV Al Wajh	26k
IV Sultanah	946k
IV Medina	1,300k
IV Badr Hunayn	27k

bold cities appear on map (k = x1000)

Shaking Intensity



Population exposure estimates are NOT a direct estimate of earthquake damage; comparable shaking will result in significantly lower losses in regions with well built structures than in regions with vulnerable structures.